

Query/Command : PRT SS 1 MAX 1 LEGALALL

*1/1 PLUSPAT - ©QUESTEL-ORBIT - image***Patent Number :** US6021770 A 20000208 [US6021770]**Title :**

(A) Bow stabilizer with game finder

Patent Assignee :

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Abstract :

A combination archery bow stabilizer and string tracker having a built-in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock-absorbing viscoelastic polymer element in which a bow-mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible

polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.

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Patent Assignee :

Ames Arvid A; Sodaro John C

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US 5828129	P	19970123	US AE	APPLICATION DATA (PATENT)
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		US 788105	A3	19970123
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		US 79263	A	19980515
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[Link to Claims Section](#)

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Bow stabilizer with game finder

INVENTOR: Sodaro, John C. - Monkton, Vermont, United States (US)

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ENGLISH-ABST:

A combination archery bow stabilizer and string tracker having a built- in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock- absorbing viscoelastic polymer element in which a bow- mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.